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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/781,654	02/20/2004	Kosei Takano	1095.1296	3479

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EXAMINER
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ADAMS, CHARLES D

ART UNIT	PAPER NUMBER
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2164

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/26/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/781,654	<b>Applicant(s)</b> TAKANO ET AL.	
	<b>Examiner</b> Charles D. Adams	<b>Art Unit</b> 2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-5, 8 and 9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 8-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Remarks***

1. In response to communications filed on 13 October 2006, claims 1 and 8 are amended, claims 6-7 are cancelled, and claim 9 is added per applicant's request. Claims 1-5 and 8-9 are pending in the application.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:  
  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
3. Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 9 recites the limitation "the terminal device" in lines 4-5. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use, or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claim 9 is rejected under 35 U.S.C. 102(b) as being anticipated by Jacober et al. (US Patent 6,020,886).

As to claim 9, Jacober et al. teaches:

Accepting activation of a learning button on a transaction screen (see Figures 8-9 and 11:49-67); and

Displaying a learning screen corresponding to the transaction screen on the terminal device, in response to the activation (see Figures 8-9 and 11:49-67).

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-4 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hadden et al. (US Pre-Grant Publication 2003/0187723) in view of Jacober et al. (US Patent 6,020,886).

As to claim 1, Hadden et al. teaches:

Storing an amount of transaction work which the employee has performed using the terminal device (see paragraphs [0035]-[0036]);

Hadden et al. does not explicitly teach:

Displaying a learning screen on the terminal device in response to a request for transaction learning from the employee;

Jacober et al. teaches:

Displaying a learning screen on the terminal device in response to a request for transaction learning from the employee (see 7:54-57 and 11:38-59 and Figures 7-8 “Show Demo”);

Hadden et al. as modified teaches:

Storing start and end times of the transaction learning which the employee has received (see paragraph [0165]);

Calculating, from the amount of transaction work performed before the start time of the transaction learning and the amount of transaction work performed after the end time of the transaction learning, an efficiency of transaction work performed after the end time of the transaction learning relative to the transaction work performed before the start time of the transaction learning (see Hadden et al. paragraphs [0038]-[0039] and [0042]);

Displaying a transaction screen on the terminal device to permit the employee to perform the transaction (see Jacober et al. Figures 8 and 9. The application to perform transactions can be seen behind the learning window and underneath the learning popup); and

Displaying, on the terminal device, the learning screen enabling the employee to learn about the transaction on the transaction screen when the request for the transaction learning is made from the terminal device on the transaction screen wherein a learning button for requesting the transaction learning is displayed on the transaction

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screen (see Jacober et al. Figures 8 and 9. A "Show Demo" button is displayed on the transaction learning screen).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Hadden et al. by the teaching of Jacober et al., since Jacober et al. teaches that "There is further need for a mechanism for generating animated help demonstrations which can be quickly localized. There is still a further need for a mechanism for generating animated help demonstrations which can be easily and quickly used" (see 2:55-60).

As to claim 2, Hadden et al. as modified teaches wherein the employee whose efficiency of the transaction work is calculated is specified by a supervisor who supervises the transaction (see Hadden et al. Figure 2A, "Identify Employee", and paragraphs [0070]-[0075]).

As to claim 3, Hadden et al. as modified teaches wherein said learning program further causes the computer to perform the process of picking out the employee whose efficiency of the transaction work is not higher than a predetermined value (see Hadden et al. paragraphs [0036] and [0047]-[0048]).

As to claim 4, Hadden et al. as modified teaches wherein said learning program further causes the computer to perform the process of picking out the transaction

learning which failed to increase the efficiency of the transaction work up to a predetermined value (see Hadden et al. paragraph [0039]).

As to claim 8, Hadden et al. teaches:

Storing an amount of transaction work which the employee has performed using the terminal device (see paragraphs [0035] and [0036]);

Hadden et al. does not teach displaying a learning screen on the terminal device in response to a request for transaction learning from the employee;

Jacober et al. teaches displaying a learning screen on the terminal device in response to a request for transaction learning from the employee (see column 7, lines 54-57 and 11:38-59 and Figures 7-8 "Show Demo");

Hadden et al. as modified teaches storing start and end times of the transaction learning which the employee has received (see paragraph [0165]); and

Calculating, from the amount of transaction work performed before the start time of the transaction learning and the amount of transaction work performed after the end time of the transaction learning, an efficiency of the transaction work performed after the end of the transaction learning relative to the transaction work performed before the start time of the transaction learning (see paragraphs [0038]-[0039] and [0042]).

Displaying a transaction screen on the terminal device to permit the employee to perform the transaction (see Jacober et al. Figures 8 and 9. The application to perform transactions can be seen behind the learning window and underneath the learning popup); and

Displaying, on the terminal device, the learning screen enabling the employee to learn about the transaction on the transaction screen when the request for the transaction learning is made from the terminal device on the transaction screen wherein a learning button for requesting the transaction learning is displayed on the transaction screen (see Jacober et al. Figures 8 and 9. A "Show Demo" button is displayed on the transaction learning screen).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Hadden et al. by the teaching of Jacober et al., since Jacober et al. teaches that "There is a further need for a mechanism for generating animated help demonstrations which can be quickly localized. There is still a further need for a mechanism for generating animated help demonstrations which can be easily and quickly used" (see 2:55-60).

8. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hadden et al. (US Pre-Grant Publication 2003/0187723) in view of Jacober et al. (US 6,020,886) and further in view of Official Notice.

As to claim 5, Hadden et al. does not explicitly teach wherein the efficiency of the transaction work is calculated by subtracting the amount of the transaction work performed per unit time before the start time of the transaction learning from the amount of the transaction work performed per unit time after the end time of the transaction



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learning and dividing an obtained difference by the amount of the transaction work performed per unit time before the start time of the transaction learning.

However, the subject matter being claimed is simply a well known method of determining a percent change between two values:

$$\text{PercentChange} = ((\text{NewValue} - \text{OldValue}) / \text{OldValue})$$

Using this formula would output the percentage that the New Value differed from the Old Value. Hadden et al. teaches calculating a percentage difference between output before an event (training), and output after an event (see paragraph [0042]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have modified Hadden et al. to include using the claimed formula, as it is well known to one of ordinary skill in the art.

### ***Response to Arguments***

9. Applicant's arguments filed 13 October 2006 have been fully considered but they are not persuasive.

Applicant argues that neither Hadden et al. or Jacober et al., alone or in combination, teaches or suggests a learning button displayed on the transaction screen for requesting transaction learning to display a learning screen on the terminal device that enables an employee to learn about the transaction on the transaction screen. In response to this argument, Examiner notes that Jacober et al. discloses in Figure 8 that

a "Show Demo" button is displayed on the "transaction screen", that, when clicked, proceeds into a demonstration (see Jacober et al. 11:49-67).

In regards to Applicant's traversal of the Official Notice rejection of claim 5, Examiner has provided the evidence "MATH WORKBOOK FOR THE SAT I", by Lawrence S. Leff. Leff teaches that it is a well-known mathematical formula to calculate the percent change between an old and a new value by subtracting the old value from the new value and dividing by the old value.

### ***Conclusion***

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles D. Adams whose telephone number is (571) 272-3938. The examiner can normally be reached on 8:30 AM - 5:00 PM, M - F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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